

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent application of: Bruce D. Melick, David M. Snyder, Leslie D. Baych
For: METHOD OF TRANSMITTING DATA INCLUDING A STRUCTURED
LINEAR DATABASE,

the specification of which is being transmitted herewith.

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

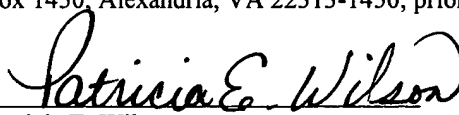
Dear Sir:

Attached are Forms PTO/SB/08A and 08B (formerly Form PTO-1449) listing the relevant art known to the applicant herein. The Examiner is requested to consider the references and make them of record. This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application Serial No. 09/698,793, filed on October 27, 2000. Each of the references listed on Forms PTO/SB08A and 08B were submitted to, and/or cited by, the Patent Office in the prior application(s) and, therefore, are not required to be provided in this application.

Applicants submit herewith patents, publications or other information, of which they are aware that they believe may be material to the examination of this application, and in respect of which, there may be a duty to disclose.

CERTIFICATE OF MAILING BY EXPRESS MAIL

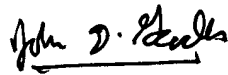
I hereby certify that this document and the documents referred to as enclosed therein are being deposited with the U.S. Postal Service in an envelope as "Express Mail Post Office to Addressee" addressed to: Box NEW APP - FEE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, prior to 5:00 p.m. on the 23 day of June, 2003.


Patricia E. Wilson
Express Mail Label # EV 322613428 US

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 C.F.R. § 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability, or that no other material information exists.

The filing of this information disclosure statement shall not be construed as an admission against interest in any manner. (Notice of January 9, 1992, 1135 O.G. 13-25, at 25.)

Respectfully submitted,



John D. Goodhue, Reg. No. 47,603
McKEE, VOORHEES & SEASE, P.L.C.
801 Grand Avenue, Suite 3200
Des Moines, Iowa 50309-2721
Phone No. (515) 288-3667
Fax No. (515) 288-1338
CUSTOMER NO: 22885

- pw -

Attorneys of Record

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number	
				Filing Date	
				First Named Inventor	MELICK, Bruce D.
				Art Unit	
				Examiner Name	
Sheet	1	of	3	Attorney Docket Number	P04254US03

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US- 2001/0015965 A1	08/23/2001	Preston	
	2	US- 2001/0053175 A1	12/20/2001	Hocter	
	3	US- 2002/0016905 A1	02/07/2002	Kojima	
	4	US- 2002/0018514 A1	02/14/2002	Haynes	
	5	US- 2002/0059642 A1	05/16/2002	Russ	
	6	US- 2002/0075972 A1	06/20/2002	Richards	
	7	US- 2002/0089423 A1	07/11/2002	Przygoda	
	8	US- 2002/0097790 A1	07/25/2002	Dress	
	9	US- 2002/0172291 A1	11/21/2002	Maggio	
	10	US- 2002/0190786 A1	12/19/2002	Yoon	
	11	US- 2003/0076248 A1	04/24/2003	Larson	
	12	US- 2003/0093567 A1	05/15/2003	Lolayekar	
	13	US- 2003/0095609 A1	05/22/2003	Cowie	
	14	US- 4,357,634	11/1982	Chung	
	15	US- 4,434,323	02/28/1984	Levine et al.	
	16	US- 4,513,403	04/1985	Troy	
	17	US- 4,641,317	02/03/1987	Fullerton	
	18	US- 4,706,264	11/1987	Cung	
	19	US- 4,813,057	03/12/1989	Fullerton	
	20	US- 5,339,421	08/1994	Housel, III	
	21	US- 5,363,108	11/08/1994	Fullerton	
	22	US- 5,497,373	03/1996	Hulen et al.	
	23	US- 5,560,038	09/1996	Haddock	
	24	US- 5,677,927	10/14/1997	Fullerton et al.	
	25	US- 5,706,495	01/06/1998	Chadha et al.	
	26	US- 5,754,849	05/1998	Dyer et al.	
	27	US- 5,818,442	10/1998	Adamson	
	28	US- 5,832,035	11/03/1998	Fullerton	
	29	US- 5,841,764	11/1998	Roderique et al.	
	30	US- 5,852,825	12/1998	Winslow	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	
		Filing Date	
		First Named Inventor	MELICK, Bruce D.
		Art Unit	
		Examiner Name	
Sheet 2 of 3	Attorney Docket Number	P04254US03	

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	31	US- 5,951,646	09/1999	Brandon	
	32	US- 5,952,956	09/14/1999	Fullerton	
	33	US- 6,031,862	02/29/2000	Fullerton et al.	
	34	US- 6,049,848	04/2000	Yates et al.	
	35	US- 6,061,057	05/2000	Knowlton et al.	
	36	US- 6,112,207	08/2000	Nori et al.	
	37	US- 6,151,602	11/2000	Hejlsberg et al.	
	38	US- 6,250,309	06/2001	Krichen et al.	
	39	US- 6,354,946	03/2002	Finn	
	40	US- 6,356,946	03/2002	Clegg et al.	
	41	US- 6,363,320 B1	03/26/2002	Chou	
	42	US- 6,427,150	07/2002	Oashi et al.	
	43	US- 6,438,140	08/2002	Jungers et al.	
	44	US- 2003/0095063 A1	05/22/2003	Fullerton	

FOREIGN PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional).. ² See Kinds of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	
				Filing Date	
				First Named Inventor	
				Group Art Unit	
				Examiner Name	
(Use as many sheets as necessary)				Attorney Docket Number	
Sheet	3	of	3	P04254US03	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	45	Win et al., June 1997, "Ultra-Wide Bandwidth Signal Propagation for Indoor Wireless Communication", IEEE International Conference on Communications - Montreal, Canada, pages 56-60	
	46	Maney April 9, 1999, "Pulsing with Promise", USA Today	
	47	Win et al., January 1998, "Impulse Radio: How it works", IEEE Communications Letters, Vol. 2, No. 1, pages 10-12	
	48	"Universal Data Tone", http://www.emc.com/about/data_tone/index.jsp	
	49	Ruettgers, "Thriving in the Information Economy", http://www.emc.com/about/amandgement/speeches/wired_index.jsp	
	50	Ruettgers, "E-Infostructure: EMC'S Vision for Accelerating the New Economy", http://www.emc.com/about/management/speeches/cebit.jsp	
	51	WO 01/97477 by Roberts et al. "Method for Specifying Pulse Characteristics Using Codes " December 2001	
	52	Pulse-Link, Inc., San Diego, CA, "ULTRA WIDEBAND OVER CABLE TECHNOLOGIES: Enhancing Cable Television Bandwidth Capacity Without Modification to Existing Infrastructure" (2002)	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

* EXAMINER: Initial if reference considered whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.